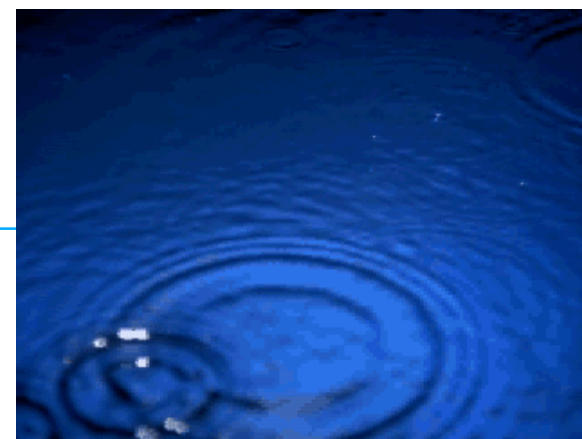


# *Global Precipitation Measurement*

## ***System Definition Review Introduction***

***December 6 - 8, 2005***



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Goddard Space Flight Center*



## Day 1 - December 6, 2005

Location: NASA/GSFC B16W-N76/80

| Time     | Minutes | Event   | Presenter       |
|----------|---------|---|-----------------|
| 8:30 AM  | 5       | Logistics & Announcements                             | Durning         |
| 8:35 AM  | 10      | Introduction  | Durning/Ho      |
| 8:45 AM  | 10      | Charge to Review Team/RIDs: Purpose & Review Criteria | Ho              |
| 8:55 AM  | 15      | HQ Overview   | Neeck           |
| 9:10 AM  | 45      | GPM Mission Overview                                  | Durning         |
| 9:55 AM  | 30      | Science Requirements                                  | Hou             |
| 10:25 AM | 15      | Break   |                 |
| 10:40 AM | 30      | Mission Requirements                                  | Bundas          |
| 11:10 AM | 45      | Mission Architecture                                  | Bundas          |
| 11:55 AM | 60      | Lunch   |                 |
| 12:55 PM | 45      | Systems Engineering Processes                         | Bundas          |
| 1:40 PM  | 15      | System Safety and Mission Assurance                   | Toutsi          |
| 1:55 PM  | 15      | External Interfaces                                   | Hwang           |
| 2:10 PM  | 45      | Dual Precipitation Radar (DPR) Overview/Requirements  | Woodall         |
| 2:55 PM  | 15      | Break   |                 |
| 3:10 PM  | 60      | GPM Microwave Imager (GMI) Overview/Requirements      | Flaming/Bidwell |
| 4:10 PM  | 20      | H-IIA Launch Vehicle                                  | Woodall         |
| 4:30 PM  | 10      | Review Team Caucus                                    |                 |
| 4:40 PM  |         | End of Day 1  |                 |

## Day 2 - December 7, 2005

Location: NASA/GSFC B16W-N76/80

| Time     | Minutes | Event  | Presenter  |
|----------|---------|--|------------|
| 8:30 AM  | 60      | Core Spacecraft Management                           | Horowitz   |
| 9:30 AM  | 90      | Primary Spacecraft Systems Engineering               | O'Neill    |
| 11:00 AM | 15      | Break  |            |
| 11:15 AM | 60      | Mission Operations System Concept/Requirements       | Rykowski   |
| 12:15 PM | 60      | Lunch  |            |
| 1:15 PM  | 60      | Precipitation Processing System Concept/Requirements | Stocker    |
| 2:15 PM  | 60      | Ground Validation                                    | Schwaller  |
| 3:15 PM  | 15      | Break  |            |
| 3:30 PM  | 15      | Risk Assessment                                      | Durning    |
| 3:45 PM  | 15      | Review Wrap Up                                       | Durning/Ho |
| 4:00 PM  | 15      | Review Team Caucus                                   |            |
| 4:15 PM  |         | End of Day 2   |            |

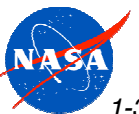
## Day 3 - December 8, 2005

Location: NASA/GSFC B16W-N76/80

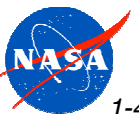
| Time     | Minutes | Event                  | Presenter |
|----------|---------|------------------------|-----------|
| 9:00 AM  | 60      | Programmatics Overview | Durning   |
| 10:00 AM | 30      | Financial Overview     | Fiora     |
| 10:30 AM | 30      | Review Team Caucus     | Ho        |
| 11:00 AM | 30      | Review Team Report Out | Ho        |
| 11:30 AM | 15      | Review Wrap Up         | Durning   |
| 11:45 AM |         | End of Day 3           | Hou       |



- ***After some delay to study acquisition approaches the project is ready to proceed towards MCR***
- ***IRT & SRT last reviewed GPM June 2002***
  - 27 RFA issued
  - 1 left outstanding
    - *PPS issue regarding data products to be resolved prior to PDR*
- ***This SDR begins the renewed review activity - review schedule documented in updated Integrated Independent Review Plan (under signature review now)***



- ***Demonstrate project readiness to begin preliminary design by:***
  - *Demonstrating the baseline mission requirements are clearly understood and have been flowed down appropriately to lower levels and are verifiable*
  - *Definition of a producible system is complete and fully satisfies all mission objectives*
  - *The acquisition and development plans are complete and executable*





**Day 1 - December 6, 2005**

**Location: NASA GSFC B16W-N76/80**

| Time            | Section | Event   | Presenter       |
|-----------------|---------|---|-----------------|
| 8:30 AM         |         | Logistics & Announcements                             | Durning         |
| 8:35 AM         | 1       | Introduction  | Durning/Ho      |
| 8:45 AM         |         | Charge to Review Team/RIDs: Purpose & Review Criteria | Ho              |
| 8:55 AM         |         | HQ Overview   | Neeck           |
| 9:10 AM         | 2       | GPM Mission Overview                                  | Durning         |
| 9:55 AM         | 3       | Science Requirements                                  | Hou             |
| <b>10:25 AM</b> |         | <b>Break</b>  |                 |
| 10:40 AM        | 4       | Mission Requirements                                  | Bundas          |
| 11:10 AM        | 5       | Mission Architecture                                  | Bundas          |
| <b>11:55 AM</b> |         | <b>Lunch</b>  |                 |
| 12:55 PM        | 6       | Systems Engineering Processes                         | Bundas          |
| 1:40 PM         | 7       | System Safety and Mission Assurance                   | Toutsi          |
| 1:55 PM         | 8       | External Interfaces                                   | Hwang           |
| 2:10 PM         | 9       | Dual Precipitation Radar (DPR) Overview/Requirements  | Woodall         |
| <b>2:55 PM</b>  |         | <b>Break</b>  |                 |
| 3:10 PM         | 10      | GPM Microwave Imager (GMI) Overview/Requirements      | Flaming/Bidwell |
| 4:10 PM         | 11      | H-IIA Launch Vehicle                                  | Woodall         |
| 4:30 PM         |         | Review Team Caucus                                    |                 |
| <b>4:40 PM</b>  |         | <b>End of Day 1</b>                                   |                 |

